



June 2023

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## State Emergency Management Agency (SEMA) Floodplain Management Section

Volume 5, Issue 4

### Issue 4 - FY 2022 - Floodplain Management E-Bulletin

It's the fourth and final quarter of Fiscal Year 2022, and time for the last FY22 *Missouri Floodplain Management E-Bulletin*! Yes, we know it's calendar year 2023, but the Community Assistance Program—State Support Services Element (CAP-SSSE) Period of Performance (PoP) is July 1, 2022 thru June 30, 2023: Quarter 1: July 1 – September 30, 2022, Quarter 2: October 1 – December 31, 2022, Quarter 3: January 1 – March 31, 2023, and **Quarter 4: April 1 – June 30, 2023**. So, here we are in Qtr. 4 of FY22, but no matter the fiscal year or the quarter, the Missouri Floodplain Management Section Staff is always here to help Missouri communities with floodplain management!

We're always looking for flooding photos, elevated structure photos, projects demonstrating stormwater management techniques and "green" projects, so please share them with us! Be sure to include your name, the location, and the date of the photo. Send photos to: karen.mchugh@sema.dps.mo.gov



## Meet the Floodplain Engineering & Mapping Section



Left: **Jacob Wornson**, Floodplain Mapping Technical Assistant

Center: **Sydney Roberts, CFM**, Floodplain Engineering & Mapping Section Manager

Right: **Patrick Lower**, Floodplain Mapping Technical Assistant

From: [dnr.mo.gov/water/how-water/state-water/surface-water/wetlands](http://dnr.mo.gov/water/how-water/state-water/surface-water/wetlands)

## **What are wetlands?**

Wetlands are transition areas between dry land and open waters; however, they are not always wet. Usually wetlands contain plant life adapted to survive in water-saturated soils, normally without oxygen (anaerobic). Some of the plants found in wetlands include duckweed, water lilies, cattails, pondweed, reeds, sedges and bulrushes.

## **The Value of Wetlands:**

Every piece of wetlands provides value through social and environmental benefits such as flood control, water quality improvements and wildlife habitat in addition to the property's economic value. The property's market value is recognized by the owner. The social benefits are recognized by the public as well as the private owner.

## **Why is it important to preserve wetlands?**

Wetlands can provide habitat for fish and wildlife and recreation areas for people to hunt, fish and enjoy watching nature. Wetlands store floodwaters and maintain surface water flow during dry periods. Wetlands protect and improve water quality.

Missouri has eight types of natural wetlands: swamps, shrub swamps, forested wetlands, marshes, wet meadows, fens and seeps, pond and lake borders and stream banks.

## **Restoring vs. Preserving Wetlands:**

Wetlands are impacted during construction of highways, roads, businesses and homes. The Federal Water Pollution Control Act, Title IV Permits and Licenses, Section 401 and Section 404 empower the state and federal government to regulate permit applicants that may discharge, dredge or place fill material into navigable waters and adjacent wetlands. Within the permit process, the federal government or the state may require compensation, replacement or restoration to mitigate wetland impacts. In theory wetland restoration may help to ensure that there is no net loss of wetlands. However, a restored wetland is never exactly the same as the drained or filled wetland. First, soil and water conditions will vary between wetlands and restored wetland functions may take many years before they can mimic a natural wetland. With different soil and water conditions, the mix of plants and animals also varies. In addition, the public may have accessibility to one wetland but not the other. Consequently, the functions and values of a restored wetland may vary from the drained or filled wetland.



## SEMA Floodplain Management team receives award for exemplary efforts in flood recovery

JEFFERSON CITY, Mo. – The Missouri State Emergency Management Agency's Floodplain Management Section was recently recognized with an award from the National Association of State Floodplain Managers (ASFPM) for its exemplary efforts in flood recovery and damage guidance.

SEMA State National Flood Insurance Program (NFIP) Coordinator Karen McHugh and her staff collaborated with former Illinois State NFIP Coordinator Paul Osman to create the nation's first "After the Flood Quick Guide." This 66-page comprehensive resource guide provides Missourians with easy-to-understand information on flood clean up, mold remediation, mitigation grants, and many other issues regarding how to rebuild safely and in compliance with the NFIP.

"Flooding is one of the most common and devastating types of disasters Missouri experiences, and this team works hard every day to help fellow Missourians plan, prepare and recover," **SEMA Director Jim Remillard** said. "This is a well-deserved recognition, and we're proud of their efforts to help build flood-aware, resilient communities."

The SEMA team received the Tom Lee State Award for Excellence in Floodplain Management, which recognizes an outstanding floodplain management program or activity at the state level. It preserves the memory of Tom Lee, a visionary floodplain manager responsible for some of the country's finest state-level programs, and his instrumental work in developing the regulatory framework that is still implemented today.

SEMA's Floodplain Management team works with state, federal and local partners to help protect Missouri residents and businesses against the devastating impacts of flooding. After many years of helping communities recover, the team determined that there was not a single all-inclusive resource to help communities with questions and next steps following a flooding event.

Shortly after the guide was published, historic flash flooding devastated families, homes and businesses across the St. Louis region in July 2022. The SEMA Floodplain Management team distributed hundreds of guides to flood victims and continues to work to help communities across Missouri break the devastating build-flood-rebuild cycle.

The team's work has helped make Missouri a leader in floodplain management. Missouri is one of only eight states qualified in the Advanced Tier of the Federal Emergency Management Agency's framework for management of federal funding to provide flood loss reduction measures. State programs in the Advanced Tier are considered to be "best in class" and performing above expectations.

Currently, 686 Missouri communities participate in the NFIP.

For more information about SEMA's Floodplain Management Section and flood insurance, please visit <https://sema.dps.mo.gov/programs/floodplain/>. To view the "After the Flood Quick Guide," click [here](#).

From Left to Right:

**Lynn Welch, CFM**, Floodplain Management Officer

**Karen McHugh, CFM**, State NFIP Coordinator

**Linda Olsen, CFM**, Emergency Management Officer II

**Lauren Imhoff**, Floodplain Management Officer

**"Great things in business are never done by one person; they're done by a team of people." – Steve Jobs**



## 2023 Training Opportunities

*Save the Date!* The Missouri State Emergency Management Agency Floodplain Management Section will host a FREE Elevation Certificate Workshop this fall. This 6-hour course will provide detailed training on completing a FEMA Elevation Certificate accurately and completely. The workshops are being offered on October 4, 2023, and October 5, 2023. Watch for emails with registration details.

### 2023 Tools of Floodplain Management

July 19, 2023 - 1st day	1:00pm - 5:00pm
July 20, 2023 - 2nd day	8:00am - 3:00pm
Sept. 21, 2023 - 1st day	1:00pm - 5:00pm
Sept. 22, 2023 - 2nd day	8:00am - 3:00pm

### 2023 Substantial Damage Estimator (SDE) 3.0 Training Locations

**July 13, 2023** — Clark County

Clark County Courthouse, 111 E. Court St., Kahoka

**August 24, 2023** — Grundy County

Trenton Fire Department, 1001 East 17th Street, Trenton

**September 14, 2023** — Clinton County

Clinton County Courthouse, 207 N. Main, Plattsburg

**October 19, 2023** — Chariton County

Chariton County Courthouse, 306 South Cherry St., Keytesville

**November 16, 2023** — Pike County

Pike County Courthouse, 210 W. Main Street, Bowling Green

**December 14, 2023** — Morgan County

Morgan County Justice Center, 211 East Newton St., Versailles

### SEMA Floodplain Management Sections Virtual Lunch & Learn Series

**Basic NFIP 101—1 hour CECs**

July 27, 2023, 11:30am-12:30pm

**A Guide to Writing Floodplain Development Permits - 1 hour CECs**

August 28, 2023, 11:30am-12:30pm

**Preparing for Post-Disaster Responsibilities  
1— hour CECs**

September 28, 2023, 11:30am-12:30pm

**Floodplain Questions & Answers**

October 24, 2023, 11:30am-12:30pm

**Look for emails from Lynn Welch or Lauren Imhoff for registration.**

SEMA Training & Exercise System (STEMS) announces upcoming training and exercises opportunities for state and local emergency managers, public officials members of volunteer relief organizations, and professionals in related fields. Visit the website here:

<https://sematraining.com/>

### 2023 Tools & SDE 3.0 Course Registration Made Easy!

Access course registration at: <https://mfsma.org/meetinginfo.php>



## MfSMA Annual Conference

MfSMA invites you to participate in our Annual Conference **August 30-Sept. 1, 2023** at Margartaville, Lake of the Ozarks. Please use **MFPS** for the group conference rate when registering at the hotel. This event brings together attendees from local, state and federal agencies, the private sector, and academia to discuss current floodplain management techniques.

This year, our Annual Conference is titled, **“Flood Amnesia – Out of Sight, Out of Mind”** and commemorates the 30<sup>th</sup> anniversary of the Great Flood of 1993. Keynote speakers include Dr. Robert Holmes and Dr. Gerald Galloway. The conference program includes an exhibition hall, professional training, a CFM workshop and exam, a 2D HEC-RAS workshop, a field trip, and numerous networking opportunities. The full schedule is located on the website, [MfSMA.org](https://MfSMA.org).

There are many sponsorship levels available, whether you are an exhibitor or wish to help sponsor speakers, conference breaks, breakfasts, or luncheon. All levels are welcome and very much appreciated.

Make your reservations now so that you can join us in this outstanding training opportunity. 12 CEC's (approved by the ASFPM) are available for CFM's and other professionals.

### Tickets

\$200.00 Members

\$300.00 Non-

Members

\$600.00 Conference Exhibitor (Includes 1 Registration)

[Register Now](#)



### Directions

Tan-Tara Conference Center  
490 Tan Tara Estate  
Osage Beach, Missouri



Missouri Floodplain Management Section  
PO Box 116  
Jefferson City, Missouri 65102  
Phone: 573-526-9129

**The Mission Statement of the Floodplain Management Section:**

The mission of Missouri's Comprehensive Floodplain Management Program is to make the state and its citizens less vulnerable to the impact of flooding through the effective administration of statewide floodplain management, and to provide local communities with the tools and resources for managing, assessing, and planning for development in floodprone areas; to save lives; and to protect property.

**Social Media:**



**Other Contact Information**

**National Flood Insurance Program:**

Ally Bishop, Region VII Regional Manager

Phone: 913-837-5220

ally.bishop@associates.fema.dhs.gov

Christopher (Chris) Parsons, NFIP Insurance Specialist

Phone: 816-283-7980

christopher.parsons@fema.dhs.gov

Martin Koch, CFM, Emergency Management Specialist

Phone: 202-880-5852

martin.koch@fema.dhs.gov

[Register Here](#)



**Welcome to the 3rd Annual Disaster Resiliency Summit hosted by  
the Disaster Recovery Framework! Agenda below:**

**July 20th, 2023**

**Runge Nature Center**

**330 Commerce Drive Jefferson City, MO 65109**

Visit the Missouri Floodplain User's Portal for links to the Missouri Floodplain Management Program, MfSMA Conference, ASFPM, Workshop updates, Draft Maps, MOSEMA Outreach Website, Project Data Submissions, and for HEC-RAS Model Requests.

[storymaps.arcgis.com/stories/e871ac1f9beb4237bb5d36969544d4bd](https://storymaps.arcgis.com/stories/e871ac1f9beb4237bb5d36969544d4bd)

**Working with you to save lives and reduce flood risk.**